

## EAST Search History

| Ref # | Hits | Search Query                                       | DBs                          | Default Operator | Plurals | Time Stamp       |
|-------|------|--|------------------------------|------------------|---------|------------------|
| L1    | 4    | (micropump with monolithic) and thickness          | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:02 |
| L2    | 10   | (micropump with monolithic) and size               | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:02 |
| L3    | 17   | (micropump with monolithic)                        | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:03 |
| L4    | 26   | (micropump same monolithic)                        | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:04 |
| L5    | 211  | (micropump and monolithic)                         | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:20 |
| L6    | 161  | (micropump and monolithic) and thickness           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:20 |
| L7    | 3    | (micropump and monolithic) and "overall thickness" | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:21 |
| L8    | 7    | (micropump and monolithic) and "total thickness"   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:21 |
| L9    | 42   | micropump with thickness                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:27 |
| L10   | 134  | micropump same thickness                           | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:28 |
| L11   | 92   | 10 not 9   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:28 |
| L12   | 0    | micropump with "overall thickness"                 | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:28 |
| L13   | 1    | micropump with "total thickness"                   | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:29 |
| L14   | 2    | "20020144738"                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 10:29 |
| L15   | 1    | "5994801".pn.                                      | US-PGPUB;<br>USPAT;<br>USOCR | OR               | ON      | 2007/03/07 11:43 |

## EAST Search History

|     |     |                        |   |    |    |                  |
|-----|-----|------------------------|---|----|----|------------------|
| L16 | 12  | "5955801"              | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:43 |
| L17 | 1   | "5955801".pn.          | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:55 |
| L18 | 181 | 415/71.ccls.           | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:56 |
| L19 | 0   | 18 and micropump       | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:56 |
| L20 | 0   | 18 and monolithic      | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:57 |
| L21 | 615 | 416/176.ccls.          | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:57 |
| L22 | 0   | 21 and micropump       | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:57 |
| L23 | 0   | 21 and monolithic      | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:57 |
| L24 | 884 | 416/186R.ccls.         | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:57 |
| L25 | 0   | 24 and micropump       | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:58 |
| L26 | 8   | 24 and monolithic      | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/07 11:59 |
| S1  | 7   | "697412".ap.           | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/05 15:26 |
| S2  | 1   | ("2004/0126254").URPN. | USPAT   | OR | ON | 2007/03/05 15:30 |
| S3  | 19  | chen-ching-jen.in.     | USPAT   | OR | ON | 2007/03/05 15:30 |
| S4  | 25  | chen-ching-jen.in.     | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 15:31 |

## EAST Search History

|     |     |   |   |    |    |                  |
|-----|-----|---|---|----|----|------------------|
| S5  | 2   | galambos-paul-charles.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 15:32 |
| S6  | 13  | haik-yousef.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 15:33 |
| S7  | 1   | kilani-mohammad-ibrahim.in.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 15:33 |
| S10 | 205 | micropump and spiral  | US-PGPUB;<br>USPAT;<br>USOCR;<br>EPO; JPO;<br>DERWENT | OR | ON | 2007/03/05 15:44 |
| S11 | 49  | ("3531934"   "3657875"   "3717419"  <br>"3877574"   "4000609"   "4027997"  <br>"4041699"   "4054115"   "4123571"  <br>"4237394"   "4509896"   "4513216"  <br>"4639194"   "4644246"   "4738902"  <br>"4777394"   "4784574"   "4850187"  <br>"4850803"   "5021230"   "5038460"  <br>"5051062"   "5079468"   "5083040"  <br>"5118961"   "5202633"   "5207054"  <br>"5289130"   "5325059"   "5333994"  <br>"5498312"   "5501893"   "5600190"  <br>"5685062"   "5874798"   "6029337").<br>PN. OR ("6392313").URPN. | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/05 15:50 |
| S12 | 52  | ("5129794"   "5171132"   "5259737"  <br>"5336062"   "5401974"   "5417235"  <br>"5452878"   "5529465"   "5593134"  <br>"5619177"   "5909069"   "5927325"  <br>"5955659").PN. OR ("6116863").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/05 15:56 |
| S13 | 7   | ("5928194").URPN.   | USPAT   | OR | ON | 2007/03/05 16:01 |
| S14 | 10  | ("4734092"   "4902278"   "5242565").<br>PN. OR ("5928194").URPN.  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/05 16:11 |
| S15 | 780 | 417/423.1.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/05 16:20 |
| S16 | 55  | S15 and spiral  | US-PGPUB;<br>USPAT;<br>USOCR                          | OR | ON | 2007/03/05 16:20 |
| S17 | 0   | ("2002/0057967").URPN.  | USPAT   | OR | ON | 2007/03/06 10:39 |

## EAST Search History

|     |     |  |                              |    |    |                  |
|-----|-----|--|------------------------------|----|----|------------------|
| S18 | 1   | "5788468".pn.  | USPAT                        | OR | ON | 2007/03/06 10:55 |
| S19 | 1   | "5909069".pn.  | USPAT                        | OR | ON | 2007/03/06 11:11 |
| S20 | 780 | 417/423.1.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 11:11 |
| S21 | 5   | S20 and monolithic   | USPAT                        | OR | ON | 2007/03/06 11:27 |
| S22 | 21  | S20 and spiral   | USPAT                        | OR | ON | 2007/03/06 11:27 |
| S23 | 13  | ("2947467"   "2976808"   "4787829"  <br>"5542825"   "5772395"   "6050782"  <br>"6135098"   "6210134"   "RE25569").<br>PN. OR ("6454547").URPN. | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 11:47 |
| S24 | 21  | micropump and monolithic and spiral  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 12:01 |
| S25 | 161 | micropump and monolithic and<br>thickness  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 12:01 |
| S26 | 141 | S25 not S24  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 13:35 |
| S27 | 1   | "6454547".pn.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:26 |
| S28 | 125 | 417/423.6.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 15:52 |
| S29 | 57  | S28 and gear   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/07 11:21 |
| S30 | 0   | S29 and micropump  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:33 |
| S31 | 428 | "electrostatic comb drive"   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:35 |
| S32 | 1   | S31 with micropump   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:35 |
| S33 | 1   | S31 with pump  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:35 |
| S34 | 318 | "electrostatic comb drive" and MEM   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:40 |

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|     |    |  |                              |    |    |                  |
|-----|----|--|------------------------------|----|----|------------------|
| S35 | 56 | "electrostatic comb drive" and MEM and monolithic          | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:45 |
| S36 | 5  | "electrostatic comb drive" and MEM and monolithic and pump | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:47 |
| S37 | 1  | "electrostatic comb drive" with gear with pump             | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:48 |
| S38 | 2  | "electrostatic comb drive" with gear and pump              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:48 |
| S39 | 12 | "electrostatic comb drive" and gear and pump               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:52 |
| S40 | 2  | "electrostatic comb drive" and micropump                   | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:52 |
| S41 | 40 | "electrostatic comb drive" and pump                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:53 |
| S42 | 24 | S41 and MEM  | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 14:53 |
| S43 | 1  | "electrostatic comb drive" with pump and gear              | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 15:52 |
| S44 | 40 | "electrostatic comb drive" and gear                        | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/06 15:53 |
| S45 | 12 | "electrostatic comb drive" and gear and pump               | US-PGPUB;<br>USPAT;<br>USOCR | OR | ON | 2007/03/07 10:01 |